

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: john.moriarity@com2bbs.com (John Moriarity)  
Subject: [81] 2SC799 Data  
Message-ID: <aa.32961.200@com2bbs.com>

Hello All,

Does anyone have the Data Sheet(s) for the 2SC799 transistor?  
I guess my NEC data is out of date, since I can't find it.

Expenses gratefully covered, etc.

72/73

John, K6QQ

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                \\\|///
                -(o o)-
+-----o000o--(_)--o000o-----+
|
| Message Submitted by: john.moriarity@com2bbs.com
+-----+
| COM2: BBS                | sysop: Sean Azhadi
| San Diego, CA.           | Internet: sysop@com2bbs.com
| 619.737.0495 BBS 12 Nodes | Info: info@com2bbs.com
| 619.737.9659 voice       |
+-----+
The contents of this message do not necessarily reflect the opinions
of this BBS, it's operators or sponsors... But they should.
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From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: bfinch@asp.vet.purdue.edu (Robert Finch)  
Subject: [55] 4sale  
Message-ID: <9511151648.AA04466@asp.vet.purdue.edu>

a friend, local to me, is selling his ic-735 and  
as i recall this has shown up as a desirable to  
mod to qrp usage, radio.....if anyone is interested  
he wants a little over 5 bills and can be reached  
at 317-474-4668..his call is wa9ahx..jack  
72...baab

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995

From: "BOB SCHNICK, DIRECTOR, LECOM LIBRARIES" <schnick@shrsys.hslc.org>  
Subject: [58] Argosy II For Sale  
Message-ID: <009996D3.D31E06B3.115@shrsys.hslc.org>

I have a very nice Argosy II (digital) that I must part with.  
250 Hz IF Filter, Noise Blanker and #225 Power supply. \$450.00

Please E-mail our call 814 866 8152 8-3 EST

A great rig for those who may feel they need the 50 watt position . . .

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: Craig LaBarge <74740.3166@compuserve.com>  
Subject: [101] BNCs for RG-174  
Message-ID: <951116015411\_74740.3166\_EHB139-1@CompuServe.COM>

Has anyone had any success installing crimp-type BNC connectors on RG-174  
coax without the proper crimping tool? I don't really want to lay big  
bucks for a special crimping tool just to do one or two BNCs.

Any thoughts or suggestions?

73, Craig WB3GCK

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: Mike Robinson <miker@cc.com>  
Subject: [73] bouncy bouncy  
Message-ID: <9511151911.AA01334@voder.nsc.com>

Brian,

Your e-mail address is killing me. I can't  
seem to get through.

=====  
7.3 de Michael aa0ub | QRP:  
miker@cc.com Norcal #857 CQC #180 | "UR HB 5W FB HR 72"  
=====

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: wayneb@on-ramp.ior.com (wayne barnhart)  
Subject: [100] CHIPS  
Message-ID: <m0tFtNv-000RtjC@on-ramp.ior.com>

for those of you scrounging parts try this cite for id'ing strange chips

<http://www.hitex.com:80/chipdir/>          Chip directory

Wayne Barnhart    WB7WHI  
Spokane, Wa.

Dirt is good!

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: Marshall Emm <75230.1405@compuserve.com>  
Subject: [72] CMOS III  
Message-ID: <951115183535\_75230.1405\_HHB63-1@CompuServe.COM>

I spoke to Jeff Russell (KC0Q) the other night. He seemed reasonably responsive to my suggestions (I'll list them in case anyone wants to write to him and reinforce them [g]). The article in August QST indicated that many changes in the III as compared to the II were due to user comments and requests, so maybe there will be a IV in a year or so. Gee, a simple chip upgrade would be cool! Especially if it's on an exchange basis [g].

Jeff said he'd talk to Idiom about the lack of necessary construction information.

Anyway, here's what I suggested-- if anybody else has any wish list items let me know and I will put them into the review. Idiom's already requested a copy and I'll also send copies to Jeff and Bud.

First-- software suggestions...

1. Function to set absolute WPM speed -- can be done with Range set to same upper and lower values, but that's four numbers to send.
2. Programmable option to have paddle terminate a memory send with or without "sending" the dot or dash down the keyline. Currently it's "with", only; to terminate without sending you have to press two buttons.
3. A command to copy one message into another memory (useful in constructing multiple QSO formats, also if you just want to move a message to different

button).

4. More flexible editing-- i.e. edit from first (instead of last) or some sort of insert mode (offhand this seems to be the toughest of these suggestions).

Second-- hardware suggestions...

5. Some provision for control of monitor/sidetone volume. Easy fix is a probably just a pair of holes in the amp circuit which you can jump if you don't want to add an external pot.

6. Diode protection on the power supply side.

7. A spot on the board (or just the holes, really) for a three terminal 12-5V regulator.

As for the hash, Jeff hedged a bit but seemed to suggest that a conscious decision was made to make sure the cpu doesn't "idle" when not busy, and also that they "may have to think about more bypassing or filtering."

That's all the news...

73/72

Marshall

AA0XI/VK5FN

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995

From: KG7PV@aol.com

Subject: [96] Dayton

Message-ID: <951115181832\_107494494@mail04.mail.aol.com>

Could someone please let me know the dates and which Days Inn ( a phone # would be even better) the QRP gang occupies? Would sure appreciate it.

Two other notes - no fox last night, skipped right over Portland and the OHR Spirit II for 30 mtrs is about 1/2 done!

73 de Steve KG7PV

Norcal # 308

kg7pv@apl.com

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995

From: PAT DOYLE <DOYLEPS@LAKEHURST.NAVY.MIL>

Subject: [57] email ss logs, etc. -Reply

Message-ID: <s0a9c8b7.002@LAKEHURST.NAVY.MIL>

If you want to submit logs to CQ Magazine or ARRL, I believe they specifically ask for it as an ASCII text file. Save your log, dupe, and summary sheet as a text (.TXT) files (or one big file) and forward it to them.

Also, my last note about MicroLog was missing its description. It handles general logging, Field Day, and Sweepstakes in a pretty straight-forward manner. Like any computer program, it is recommended that you experiment with it prior to using it for your intended purpose...doing so may prevent you from throwing your computer out a second story window. I did not use it, but I helped set it up for a few guys who did use it and they liked it. Best of all, it is shareware. I believe the author asks \$15 if you like it.

As a final note, my QRP CW SS info is:

13 hours  
68 sections  
249 QSOs  
33864 total score  
Rig; Kenwood TS-130V running 5 watts, with the Radio Shack Digital Signal Processing (DSP) Filter  
Antennas: Ground mounted vertical for 40 and 15 meters;  
Van Gordon "Shorty" dipole used on 20 and 80.

40 meters was the workhorse with 80 and 20 close seconds. Worked about 10 QRP stations.

KL7 was the only missing state. KP2 and a bunch of the Canadian provinces (I think VE2, VE3, and VE7 were my only Canadians) were the missing sections.

It was a lot of fun running SS QRP.

Using a DSP filter and computer logging (CT) were the two things that kept the fatigue away. The filter does not have the features of Timewave or the other big names, but it works well for the price. (If there is anyone who wants to pick it up, you better act quick. I think RS has discontinued it (it is not in the new catalog); they are selling it for almost 40% off of last years' price (I think I paid \$49.95 about a week before SS. I thought SS would be a good test and the deciding factor on keeping it. I will.)

Last year, I used paper logs, no DSP, and my Drake TR7  
(precedent A, single op) with the same antennas and  
worked 67 sections and 280 QSOs in 17 tiring hours.

Pat Doyle, KA2GSL

>>> Russell W. White <ruswhite@netwest.com> 11/11/95

08:40pm >>>

Hello all

I used the program CQP for logging SS. In the Oct  
issue of QST they mention that logs could be emailed to  
the ARRL using their standard format. What is their  
standard format?

Cqp puts out a log sheet and a entry form. How do I  
put these together so that I can submit them?

QRO people have antenna farms, QRP people have antenna  
gardens :-)

Concerning QSO's On Fox hunt night, what about using  
another freq if 1) you listen and here nothing and would  
like a QRP QSO or 2) you caught the fox and would like a  
QRP QSO. I was thinking of a freq like 7.055 in that it is  
far enough away from the fox to not cause  
QRM. I agree with CQ INET (QRPL takes much longer to  
send).

About the QRP+, I would rather have the 1.6Mhz hi-pass  
filter then be able to access the AM stations (I did think of  
a cheap radio).

Thanks for the info.

I'm going to run SS phone with my Argonaut this coming  
weekend, I should be able to make a hundred contacts with  
my mouth.

72 de Russ AB7JX

( I'd have some stuff here but my unregistered copy of  
Eudora )

( (which came with my INET account) doesn't seem to  
have a )

( signature function.....But, if it did have that  
capability)

( I would tell you that I belong to QRP ARCI, NorCal  
QRP and )

( NE QRP.

)

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: KE3FL@delphi.com  
Subject: [90] Foriegn Calls, Short Antennas, & GelCel Chargers  
Message-ID: <01HX0G9U9NIA989E96@delphi.com>

Kent (torell@sicom.com)

Foriegn call signs: If you are an ARRL member simply send an email  
msg to: Jcarcia@arrl.org - Joe Carcia, he'll resond in a day or two with  
the needed info. If you find a quicker way, an on-line callbook I'd love  
to know about it as well.

gud luck & 73  
de KE3FL/Phil

Dennis (wdzeares@ix.netcom.com)

You MIGHT be able to tune it up, you might not, it depends on the  
tuner. But in either case you should use more wire for best results.  
I like the comment I saw before: "Damn the theory and full speed ahead"  
It's easy & cheap to give it a try & see how it does, so I'd do it with  
just the tuner first & then if not satisfied add more wire.

gud luck & 73  
de KE3FL/Phil

N3UVR <doherty@lydian.scranton.com>

I make & sell the Trickle Charger Plus \$10 + shipping, If you are  
interested, let me know. Otherwise, do you have a 12V AC to DC  
converter you no longer use for its intended purpose? If so, give it  
a try. The voltage should not be allowed to climb higher than 14V on  
a GelCel (rule of thumb, there are exceptions) so if/when it gets that  
hight disconnect it.

gud luck & 73  
de KE3FL/Phil

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: mvjfm@mvubr.att.com (James M Fitton +1 508 960 2577)  
Subject: [62] Fox and Hound  
Message-ID: <9511151611.AA05672@ig1.att.att.com>

For those that can't hear the FOX tonight,  
the hound will be on ~ 3.560 MHz from 9:00  
to 9:15 p.m. EST.

W1CFI runs the GLN QRP net on Wednesday evenings.

See if you can hear him/us.

72/73 Jim F. W1FMR QRP-NE NH mvjif@mvubr.att.com

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: Bill Acito 15-Nov-1995 1011 <acito@asdg.ENET.dec.com>  
Subject: [50] fox report  
Message-ID: <9511151514.AA13635@us1rmc.bb.dec.com>

Heard everyone but the fox...NA5K, NA5N, N4FRG, WI6I... etc.

b

. . . . . - I own my own words - . . . . .

Bill Acito  
acito@asdg.enet.dec.com  
|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: "Nick Franco" <NICKF@rcadmin.nov.add.bn1.gov>  
Subject: [74] Fox? NO FOX  
Message-ID: <MAILQUEUE-101.951115141325.352@rcadmin.nov.add.bn1.gov>

Hi Gang,

This is getting depressing. I was very encouraged when I read Paul  
schedule. Four hours of Foxin around on 40. I had a Boy Scout  
committee meeting at mi casa til 10:30 EST - 0330 UTC ... I was  
happy there was still half hour left of the Fox hunt. I didn't hear  
a peep. I didn't hear anyone else call the Fox or anything. ZIP.



I switched back to my 125 foot center fed wire rather than the 40 meter ground plane I used last week. I figured it may help since I have such good reports from that antenna. nothin' I mean NUTTON.

I went down to 80 meters QRO and worked RA3AUM just to make sure I could still get a QSO on my setup. No problem. It must just be the condx lately. I'm not giving up!

CUNFH, (See You Next Fox Hunt)

Nick/KF2PH

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)  
Subject: [67] Good Nite!  
Message-ID: <9510158164.AA816463925@smtpgw.ccgate.dl.nec.com>

Dear Gang:

Didn't hear the fox in N. Texas last night, but had a very nice 2 x qrp QSO with AE9K - thanks Brian that was really most enjoyable! I will QSL you, as I've just started on 40.

BTW, I also heard the oft heard QSO between WI6I and K4FNG last nite. Both sigs were BOOMING in here in Dallas area. I wanted to tail them on their sign-off, but my bed time was approaching and I wanted to get at least one qrp contact for the evening! :-)

Boy this stuff is alotta fun!!

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: kd7s@valleynet.com (Bill Jones)  
Subject: [99] Hams helping Hams  
Message-ID: <199511160110.RAA00106@sierra.valleynet.com>

While this posting is not directly related to QRP per se, the underlying theme of this group seems to revolve around hams helping other hams. Therefore, I will ask for help here first.

I wrote an article which was published in the November, 1994 issue of QST called, "A Homebrew Loop Tuning Capacitor." It has generated hundreds of

letters and telephone calls asking for additional information. The most recent request for help came from a 66 year old novice ham in France. The bulk of his letter was written in French with a smattering of English thrown in here and there. While I was eventually able to understand his questions, I would prefer to respond in his native language. Is there a member of this group who speaks English, French AND ham radio who would be willing to translate my two-page English language reply into French?

=====  
Bill Jones - KD7S  
Sanger, California  
Reply to kd7s@valleynet.com  
=====

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: Charles Cashion <ccashion@spdmail.spd.dsccc.com>  
Subject: [61] heart palpitation city!  
Message-ID: <199511151642.AA22461@aplo1.spd.dsccc.com>

QRP-ers:  
I was in the kitchen when the wife brought in the mail.  
She said,  
    "your radio thingy is here."

Of course, I thought about OHR, and Explorer II, and visions of sugar plums, and the sweet smell of solder resin, and other wonderful things....

It was my December issue of QST.

bummer!  
Charles  
--

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+ - - - - - +  
| Charles Cashion   w.214-519-2583   h.214-881-0952 |  
| ARRL      NorTex#116      NorCal#1320      ex-W5ISZ      |  
+ - - - - - +
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From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: "Rick" <rick@dns.enter.net>  
Subject: [119] HW-8 MODS  
Message-ID: <199511160853.DAA15760@dns.enter.net>

Hi,

I'm in the process of getting a HW-8, it's in the mail to me, and the past owner said the only mod done was a Adrian Weiss(??) mod on the receiver. What improvement did that make ? Also does any one have a RIT mod for this rig? 72/73 & tnx  
Rick  
N3MHW

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: "Bradley Mugleston" <bmugleston@dtus.com>  
Subject: [120] Is anyone still out there???  
Message-ID: <9510108160.AA816063156@cc2.dttus.com>

Help, something has happened, either the qrp-1 net has dissolved or I have not been getting my mail. I have only received one qrp-1 digest report in the last seven days and I'm going through withdrawal. Can someone bring me up to date on the status of the Explorer II shipments? And let me know if qrp-1 is alive and well. We have been told that there were problems with a Sprint backbone router. This is suppose to be fixed now but still no qrp-1 traffic.

73,

Brad Mugleston KB0ROL

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: bfinch@asp.vet.purdue.edu (Robert Finch)  
Subject: [54] missing info  
Message-ID: <9511151646.AA04463@asp.vet.purdue.edu>

i'll check again, but it looks like my upload of the compiled cascade errata has disappeared....hurumph...  
baab

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: Paul Harden <pharden@aoc.nrao.edu>

Subject: [60] NA5N Non-Fox QSO Report

Message-ID: <199511151637.JAA20734@zia.aoc.nrao.edu>

Here's my NON-FOX log from 7038-7040 KHz last night:

UTC	CALL	HIS	MINE	OP	QTH
0218-0225	AB6QL	459	35N	Ed	Petaluma, CA
0226-0231	NA5K	55N	57N	Smitty	TX
0234-0237	KE2WB	57N	57N	John	GA
0237-0241	K2NF	459	56N	Norm	FLA
0241-0249	AB5DG	559	55N	Red	OK
0250-0256	KJ4XR	559	439	Ken?	GA (hvy QRM after call)
0256-0302	KI5EZ	459	45N	Bob	AR
0302-0311	KB5YIX	599	599	Sandy	NM (New ham in town who heard me!)

Never did hear the fox. Kicked in my BRS filter (Brain, Right Side) and hear the word "fox" emanating from a QSO. Got all excited. But nil. Then heard AB5QL call CQ; answered him and had a nice short QSO about the fox. Cleared with Ed, when Smitty NA5K called me (BTW, NA5N de NA5K sounds like an echo!) and had a nice chat. It went like that for an hour, a QRP-L call after each QSO. Really enjoyable. And everyone's sigs were quite nice. Only ruff copy was with KJ4XR, due to a high speed QSO that suddenly started right on top of us. One of those +/- .0001Hz away QSO's! But even with QRP, managed to get the legal QSO info after a couple of repeats.

SKIP REPORT: I think it's LONG. Worked NM, OK and TX, then jumped right over to GA, FLA and CA. Only real QSB was with AB6QL in CA. Others were rock solid. Sig reports were pretty consistent both ways.

Last QSO was literally with my next door neighbor, Sandy KB5YIX. She just upgraded from Tech to Extra over past year, heard "something" in her receiver and found me. She said it was one of her first times on CW; but hearing someone she knew made her decide to try a CW QSO. Maybe not strictly fox related, but got another new ham on the air. BTW, we both shifted to our dummy loads. Is that QRPpp?

MORAL OF THE STORY ... if you can't find the fox, at least seek out another hunter and have a nice QSO or two with a fellow QRP-Ler. We all had fun.

CHUCK ... aren't these kinda QSO's worth at least a half-point? hi.

Paul NA5N

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: dh@deneb.csustan.edu (Doug Hendricks)  
Subject: [80] Need Help  
Message-ID: <9511152000.AA15216@deneb.csustan.edu>

Can someone out there tell me the inductance of an airwound coil with #24 wire wound on a 1 inch diameter that has 20 turns with a tap at 5 turns and what is the inductance at the tap. Inquiring minds want to know.  
72, Doug

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: "Robert J. Gobrick" <rgobrick@public.compusult.nf.ca>  
Subject: [124] OHR Explorer II status  
Message-ID: <199511161257.JAA11208@public.compusult.nf.ca>

Brad and OHR Group Order Buyers,

I spoke to Dick's (OHR) wife yesterday (Nov 15) and she said that the panels for the units are still in the works - As you may have recalled from an earlier posting Dick rejected a complete order of out-sourced panels - poor quality (what! even in America??)

She asked folks to be patient since the we are getting the first runs of the Explorer II and Dick is anxious to get it all correct. By the way his fear with the panels is - the panel is the one part of the rig that we ALWAYS look at when we are operating and he wanted the user to have the right impression by viewing an unflawed panel. As a QRPer you know this is true - how many times have you called CQ using qrp power and in a "trance-like" state stared at that front panel waiting (and waiting) for a murmur of a dit or dah to come back to you?. Looking at the front panel is a "soothing" aspect of qrp operation :^) If it is not soothing then the following happens - I became "disturbed" once while in this "trance-like" state and faulted the ergonomic layout of my OHR Sprint rig which had the earphone jack ABOVE the volume control so the earhone cable always got in the way of the volume control. So you can see that meditation (or is that medication) and good Karma do play a role in becoming a qrp operator - the "qrp trance" is good for you!

I've seen the schematic of the new Explorer II and it looks great - everything that the original Explorer had plus a new variable selectivity control (varicaps in the 4 pole IF filter) and a fairly decent redesign of the AGC circuit using four op amp sections. So this rig will be worth waiting for (and you have to admit the group pricing was a nice offer to this qrp-1 list).

Hang in there - I was told the Explorer II shipments were only a few weeks

away (I received my Quad Bander already). Oh by the way, as is standard with all OHR kits, no toroids to wind with either of these units - they are pre-wound for you. Shucks, I was looking forward to that. Maybe I'll just go ahead and UNWIND them and then rewind them to keep in practice for my Cascade (geez I better get busy building - where is that snow...)

73/72 Bob V01DRB/WA6ERB

PS: Standard un-biased statement: no affiliation etc with OHR (but I DO like the OHR kits).

At 04:34 AM 11/16/95 EST, you wrote:

>  
> Can someone bring me up to date on the status of  
> the Explorer II shipments?

Bob Gobrick	V01DRB/WA6ERB/VE2DRB	Newfoundland, Canada
QRPer	Galore - QRP	ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP
Internet:	bgobrick@terra.nlnet.nf.ca	
	rgobrick@public.compuserve.nf.ca	
Compuserve:	70466.1405@compuserve.com	

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: km@PACT.ORG.PE (Kris Merschrod)  
Subject: [121] QRP on 30 meters  
Message-ID: <m0tG2M6-000AscC@rcp.net.pe>

Francis Flynn asks if there is QRP activity on 30 meters.

Yes, 10.106 is supposed to be the frequency, but there is a noise there many times.

NW-QRP meets on 10.123 Monday nights (0100 Tuesday UTC) I've worked them from here and Ecuador - not easy but easier than what goes on around the fox on 40 meters!

Tonight I was stomped by SSB QRM - pirates down this way - but did hook up with a VE1?? never did get that right but his name was Bob and he had a rough time copying me too.

It is much easier than 40 meters.

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995

From: Tim English <time@tir.com>

Subject: [76] QRP with a TS-130S ?

Message-ID: <9511151936.AA24181@sun>

Has anyone had any luck applying voltage to the ALC input on a TS-120 or TS-130 QRO rig to reduce the level to QRP ? I attempted this with my old TS-120 and did not have good results. The manual says nothing about how to do this. I believe it's a negative voltage that needs to be applied but in what voltage range ?

When I tried it on the TS-120, it reduced the output but the when I would go to xmit, the ALC meter pegged to the right side of the scale and stayed there regardless of where the carrier level was adjusted. Any help appreciated.

Tim

-----  
Amateur Radio: WB80GM  
Internet: time@tir.com  
Packet Radio: wb8ogm@aa8gl.#nemi.mi.usa.noam

"Sometimes imagination is better than knowledge"  
-----

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995

From: Charles Cashion <ccashion@spdmail.spd.dsccc.com>

Subject: [103] Radio Shack DSP

Message-ID: <199511160233.AA05356@aplo1.spd.dsccc.com>

QRP-ers:

Somebody posted an article this afternoon (15 November) regarding the Radio Shack DSP. In essence: (1) it was a big help and (2) Radio Shack currently has them marked down some percentage.

Would somebody remind me of the name/e-mail-address of that person.

Charles

--

+ - - - - - +  
| Charles Cashion w.214-519-2583 h.214-881-0952 |  
| ARRL NorTex#116 NorCal#1320 ex-W5ISZ |  
+ - - - - - +

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: "Robert J. Gobrick" <rgobrick@public.compuserve.com>  
Subject: [49] Rave Review  
Message-ID: <199511151512.LAA24385@public.compuserve.com>

QRP-L Gang,

Just as a follow-up to my QRP Month in Review posting a few days ago I just have to send out a "rave" on the great newsletter "scoop" that Rich High W0HEP, the editor of the Colorado QRP Club (CQC), got for the Low Down newsletter.

I just can't say enough about the special four part series that Paul Harden NA5N is putting together on "QRP Rigs - Circuit Analysis". This is some of the clearest technical writing I've seen on describing how my little NE-602 designed rigs (SWL, MFJ, Wilderness, OHR etc) work. Paul uses easy to understand words and concepts, along with nice graphics (Spectrum of IF at Mixer Output as an example) to describe how the great qrp designers out there figure out what to do and where they need to compromise to attain a goal of size, cost, etc.

I just hope that Rich plans on talking Paul into publishing a "book" (or manual) on his writings. Why, his writing even inspire ME to maybe get in there and muck around with some of the rigs that I have to investigate improvements etc. If anything, I certainly have more awareness now of what goes through the creative minds of the likes of Littlefield, Benson, Burdick etc.

Anyway for the time being the only way you'll be able to "see" what I'm talking about is to subscribe to the CQC and get the last two back issues (Parts 1 and 2). Good job CQC and what a scoop getting a Baja Coloradan (New Mexico) on the technical staff of the Low Down.

73/72 Bob VO1DRB/WA6ERB

PS: Rich's email is CQC@aol.com

Bob Gobrick VO1DRB/WA6ERB/VE2DRB Newfoundland, Canada
QRPer Galore - QRP ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP
Internet: bgobrick@terra.nlnet.nf.ca
rgobrick@public.compuserve.com
Compuserve: 70466.1405@compuserve.com



From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: PAT DOYLE <DOYLEPS@LAKEHURST.NAVY.MIL>  
Subject: [52] Re[2]: Database as logging program? -Reply  
Message-ID: <s0a9c08b.071@LAKEHURST.NAVY.MIL>

MicroLog, available on the ARRL BBS, is also a decent program.

>>> <RHILT0@acxiom.com> 11/08/95 04:24pm >>>

According to Chuck (with some parts snipped): >>I used CT written by K1EA as my logging program for SS. The >>program costs \$40 or so (CT) and that gets you the latest and >>greatest. It works for several big contests and it uses the >>serial interface [for sending code].

Somebody on this list mentioned CQP... it's available for download from one of the FTP sites (dontcha just love accurate addresses?)... I believe it is freeware (I just looked at the documentation, and there's no mention of \$\$)... it works for the California QSO Party, Sweepstakes, and WPX. Only. But it does them very, very well. I have a copy of CT version 8 (I think it's 8), and while it does a wunnerful job, it's like using a sledgehammer to drive a thumbtack. At least for my enthusiastic but not too competitive station, CQP is a great solution; virtually zero learning curve :-), also uses the CT-type cw interface, checks dupes, lists partials, prints basic reports, etc. Nifty.

CQP for Windows, version 3.0 by Andrew Faber AE6Y

Highly recommended.

Bob ki5ez

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: RHILT0@acxiom.com  
Subject: [78] Re[2]: Signing QRP  
Message-ID: <ec91fbf0@acxiom.com>

>As I've said before, UK amateurs are NOT ALLOWED by the licensing  
>authority to use /QRP ... it is permissible to use G3YCC <space> QRP.  
>The / sign must only be used for /M /P etc., as defined in the  
>licence. Yes, I know the US has different legislation, but that is  
>the fact as far as we are concerned in Britain.

>Frank G3YCC (G QRP 042)

If by some miracle my signal was readable in G-land, could you answer  
my CQ with "ki5ez/qrp de g3ycc" ? Since my license doesn't include  
the "/qrp" are you allowed to include it in your transmission?

Just wondering...

7.3, ki5ez  
Bob

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: Bruce Robertson <brucerob@epas.utoronto.ca>  
Subject: [111] rs - 12 and miniR2  
Message-ID: <Pine.SGI.3.91.951115232231.22562B-100000@blues.epas.utoronto.ca>

All this talk about rs -12 has me really excited. I've been planning for  
some time to build a vxo for 10m that would run my miniR2 board for  
sputnik reception. What's more, this weekend at the local hamfest, I  
found a xtal marked 29426. I got it just to test out the 10m vxo before I  
buy the real thing, but now I hear that that is right within the  
transducer's band! What luck.

I can't remember, but doesn't capacitance added in series drop the freq.  
of the xtal? In which case I'm in good luck. Maybe someone could write a  
missive on what designs of vxos do what to the frequency.

The only thing that might rain on my parade is if this is an overtone  
xtal. It's a biggish metal can with pins on the bottom. Any way of  
telling externally? (The freq. isn't a multiple of three.)

One more thing: I've got a million ideas for the miniR2 board, but I'd  
rather not buy more than one. It seems to me with a good plug and jack  
system, it should be easy to swap the board into different transceivers.  
What do people recommend for interconnects smaller than, e.g. bnccs or rca  
jacks. (Since the board works up to 450 Mhz, I suppose the connections  
should too.)

72, VE3UWL

Bruce G. Robertson Dept. of Classics, U. of T.

From qrp-l@lehigh.edu Thu Nov 16 14:44:00 1995  
From: Mike Robinson <miker@cc.com>  
Subject: [59] RS12/13  
Message-ID: <9511151628.AA21898@voder.nsc.com>

Someone asked earlier about calling frequency on the RS12/13 satellite.

It seems that most of the regular QSO's happen around xx.x18 thru xx.x21. Just like 40M and 30M they seem to bunch up on top of eachother and leave a great deal of band unused.

My memories are set to xx.x15 and I never hear anyone there.

So I propose that the QRP-L RS12/13 calling frequency pair be:

uplink: 21.215  
dnlink: 29.415

>From there we would doppler drift down in frequency. Which shouldn't be a problem because xx.x10 thru xx.x15 is quiet too.

Any thoughts?

```
=====
7.3 de Michael aa0ub | QRP:
miker@cc.com Norcal #857 CQC #180 | "UR HB 5W FB 72"
=====
```

From qrp-l@lehigh.edu Thu Nov 16 14:44:00 1995  
From: Mike Robinson <miker@cc.com>  
Subject: [82] RS12/13  
Message-ID: <9511152011.AA03032@voder.nsc.com>

Ok QRPers,

Enough have repoded positively about the RS12/13 calling frequency that I'll give the compressed version of how to use this bird:

Thanks to Mike Chuhajewski for getting me started.

You'll need a satallite tracking program and the elements from a source. ARRL BBS, packet CompuServe Hamnet forum, section 5, etc.

The telemetry beacon is on 29.408, listen for the CW as the bird comes over the horizon. Once you hear the beacon, switch to your up/dn link frequencies.

Your rig must be able to do split frequencies. During the pass, listen for CW contacts on a downlink band of 29.410 thru 29.430 29.430 to 29.450 is for SSB.

To make a contact, match the last 2 digits of your uplink frequency. For example:

If you hear me calling CQ on 29.415, set your uplink to 21.215 and answer.

A CQ goes like this:

CQ CQ CQ DE AA0UB RS AA0UB RS K

Remember that this is a QRP bird. It tries to match it's output power to your input power. 5 watts into a dipole will perform fine. More power causes a drain on the satellite's power supply. Be considerate.

QS0's are short:

RST, Name and State. 73 TU dit dit.

Doppler shift causes a shift in frequency. Follow it by tuning your downlink only. Some hams are able to tune while transmitting

so that you can follow during the shift.  
I can't do that yet.

CU on the bird.

```
=====
7.3 de Michael aa0ub          | QRP:
miker@cc.com Norcal #857 CQC #180 | "UR HB 5W FB HR 72"
=====
```

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: pcalcand@sescva.esc.edu (PETER CALCANDY)  
Subject: [105] SWEEPSTAKES  
Message-ID: <95111521401261@sescva.esc.edu>

Who among you is working the sweeps this weekend? Look for me. After  
THE CONTEST, I WILL BE SERVING FREE BEER FOR THOSE WHO WORKED ME DURING  
THE SWEEPS.  
REMEMBER:

QSO=FREE BEER

Good Luck  
Peter N2KPY

QSO=FREE BEER      QSO=FREE BEER      QSO=FREE BEER      QSO=FREE BEER

PS  
I hope I don't sound hard up or anything but...QSO=FREE BEER!!!!!!!!!!!!!!!!!!!!

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: james@research.nj.nec.com (James Bennett)  
Subject: [71] SWR/Wattmeter results  
Message-ID: <9511151826.AA19314@shakti.nj.nec.com>

Thanks to all who answered my query on Wattmeters. The hands down  
favorite was the Oak Hills Research meter kit. Unfortunately, it is  
out of my budget range for now. I have decided to modify my existing  
meter (used for cb in its previous life). From examining the design  
and reading about wattmeter design in W1FB's design notebook, various  
vintage ARRL handbooks and the ARRL antenna book, I have concluded  
that modifications should not be too difficult. Basically, I plan  
to redesign the sampling system to improve the low frequency  
response. Replacing the parallel conductor sampler with a toroid

design should improve the response. Yes I realize I will need to recalibrate the meter but that is not a problem. Before I dive into this project, has anyone on the list tried such a modification? If so I would be interested to hear your results. This exercise has proven educational so at least I now have a better understanding of wattmeters, directional couplers and reflected power measurement. My original intent was just to buy a meter so that I can move forward with my remotely tuned, multiband, copper tubing stealth vertical (stay tuned for details on this). But redesigning and or building one is probably a good exercise (actually forces me to learn something).

The OHR meter sounds great and after calling OHR I am convinced that it is well worth the \$79.95 price (or less with a group buy). However it is a bit more than my radio stuff budget will allow.

FOX: 0 for 3, I heard the previous 2 foxes briefly during up swings of the propagation. Nothing heard last night.

James Bennett  
Amateur Radio: KA5DVS/2 (yes I am in NJ)  
email james@research.nj.nec.com  
NEC Research Institute  
Princeton, NJ

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Subject: [66] Thingy  
Message-ID: <199511151739.RAA25512@chuck.dallas.sgi.com>

Just got from email a note that my "GM-30" thingy is on the way. The first one of it's kind to go outside the door at NN1G.

Thank's Dave. Sure glad the USPO didn't shut down. Now that would be a BUMMER>

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com  
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: "Richard Hieber" <SZ0026@daphne.rrze.uni-erlangen.de>

Subject: [127] Transformation problem

Message-ID: <585F1517F90@daphne.rrze.uni-erlangen.de>

Hi gang,

today I'm here with a rather unusual problem. Last Tuesday, when we (the local university amateur radio interest group) had our usual ham radio display at the begin of the winter semester, Ralf Dorn, a physics student came to me with a border problem that he has to solve in order to go on with his project.

He is building a kind of interferometer to measure small distances. The laser beams in the measuring arrangement travel through a piece of quartz. He has to apply high RF voltages to two plates on opposite sides of the crystal, about 235 Volts peak. The frequencies that he needs are 14.3 MHz and 25 MHz. He already has (or will have soon, from the work of a collaborator) the signal source, at a level of maybe a few milliwatts at 50 Ohms.

Now how do you go about this? I don't know what kind of load the crystal, which is non-resonant (!), might be. A very small condenser? Ralf, who is not a ham radio operator BTW, experimented quite a bit with a lab equipment signal generator, delivering about 0.5 watts at 50 Ohms. He connected an air wound coil in parallel with the quartz and tapped it at a few windings where he connected the signal generator, to achieve upward transformation. While this looked promising a first, he couldn't get more than around 100 Volts out of it.

The signal generator was only to gain some experience - later he will have to use the signal source from his collaborator. This signal will probably have to be amplified somewhat - no problem. I lent two QRP building books to Ralf which should give him some ideas. The main problem, in my view, is how to transform the 50 Ohms generator output most effectively to match the load which is presumably of a very high impedance.

If you have any idea how to tackle this, I am sure Ralf would love to know about it.

His email address is: <dorn@merlin.physik.uni-erlangen.de>

Ahem ... and please don't confuse him with too much ham geek code!

You can also reply to my mail, and I will forward any pertinent information to Ralf.

ObQRP: Not all of you will like to hear that, but actually I am more and more interested to get QRV in the PACTOR mode. Last week I saw two enthusiastic reports in my Packet Radio mailbox about astonishing contacts at the QRP or even QRPP level, with signal levels that couldn't be detected anymore by human ears. A guy from Germany had a

mobile-to-mobile QSO with VK, and at least one of the stations (maybe both, I don't remember) had no more than 0.5 watts output.

This was in the new PACTOR-2 mode which is very high-tech, with digital signal processing in addition to a high-power Motorola main processor. First there were at least two things that I didn't like. Now I hear the current consumption of the modem is low enough to think of portable operation (300mA). Still the main deterring factor remains. Price is about DM 1600,- (abt USD 1100). Not exactly QRP!

72,

Richard

--

Richard Hieber, DL8MFQ/AA8CP  
sz0026@daphne.rrze.uni-erlangen.de

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: Johnson\_Dan@AAC.COM  
Subject: [109] Warning: defect in R/S 276-150 circuit board  
Message-ID: <9511160719.22763.aa@SMROUTER.AAC.COM>

Greetings.

To FOX VE7CQK: tried but couldn't find you nor anyone working you around 7040 from about 0100-0200Z but did catch several QSOs from other fox seekers.

Instead, thought I would be productive by adding an RF-derived sidetone to the Small Wonders Labs Micro-30 RX. (It's a super RX, btw, equal or better on 40M than my IC-745. Are the Hethorns still in business?)

After finding the parts in the junk box and inserting them into a Radio Shack cat. no. 275-150 project circuit board, I got about half the connections soldered and clipped when I touched the iron to a lead that wasn't... connected to... \*ANYTHING\*...

AARGH! Radio Shack's cheap outsourced foreign underpaid don't-give-a-damn labor did it to me again. (Well, that conclusion, though unsupported by any direct evidence, sufficiently vents my spleen.) This 2"x3" circuit board has copper-pad holes, some of which are connected. It's easier for ad-hoc layouts than their dual-DIP board. The component side has a CONVENIENT white ink guide mask showing which holes are connected. Unfortunately, the board isn't symmetric: one side has two rows of unconnected pads, the other three. Guess which way the guide mask was printed on mine.



The obvious moral is this: perform your own quality-control check before using parts from dubious sources. Or maybe everyone had learned this lesson except me?

On the pro side, their Power Amplifier Module Kit (cat. no. 28-4031) is super and tiny, and the Micro-30 now drives a speaker to fill the room without the optional full-gain capacitor installed. It's currently scanning at \$4.99 instead of its marked \$7.99 or so, so I got three more. (BTW, all R/S stores are said to replicate nightly from the same price database at Tandy.) You with anemic audio power might consider adding a jack on the back for amplified audio.

72 de KC4EWT in Herndon VA  
Johnson\_Dan@aac.com

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: pcalcand@sescva.esc.edu (PETER CALCANDY)  
Subject: [104] working QRP  
Message-ID: <95111521330948@sescva.esc.edu>

I don't seem to get the same rotten people many of my qrp compadre's work. I don't ever recall getting any nasty comments regarding my flea power. In fact, when I work someone on SSB using 3 or 4 watts, the party on the other side is rather surprised. I usually get a complement on my signal and we move on. Sometimes on CW I get the experimenter. After each over, the op on the other side cuts his power in half and asks how I am hearing him. On the next over, the power is cut again. Maybe my magnetic personality transcends the airwaves and makes the other guy feel good. THEY USUALLY GET RUDE AND SIGN OFF WHEN I ASK FOR MONEY!!! Anyway, good luck on SS this weekend.  
REGARDS]  
Peter N2KPY

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: torell@sicom.com (Kent Torell)  
Subject: [86] wouff hong ???  
Message-ID: <v02130501acd006a1c2b0@[192.91.202.41]>

A long long time ago, I recall an announcement at a hamfest that there would be a meeting or induction or some such thing into the ancient and mysterious wouff hong.....some kind of secret amateur society started by Maxim?

Another inquiring mind....

KJ7EY

Kent Torell      torell@sicom.com      602-483-2867  
SICOM      7585 E. Redfield, #202      Scottsdale, AZ      85260

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: GREGOIRE@VALLEY.NET (ERNEST GREGOIRE)  
Subject: [128] XYL,It's all in the approach  
Message-ID: <199511161418.JAA00847@dartvax.dartmouth.edu>

Gee You Guys,

After reading all this stuff about XYL complaints about ham radio,  
"I gotta tell ya", that it is all in the approach.

Years ago I read an article in some magazine, maybe Readers Digest.  
The story was about a young bride to be that was complaining to her aunt  
Mary about her prospective husband.

It seems that the BTB(bridetobe) had a Jack and Jill shower planned. This  
is a bridal shower with the groom in attendance, something you all would not  
want to miss, I'm sure!

Our hero, the GTB, had no intentions whatever to attend this fine event, due  
to it coociding with the hunting season. Aunt Mary listend to the sad  
BTB, and then offered these very wise words of wisdom.

"Honey, a man by his very nature is going to chase something, be it  
booze, women, gambling, or even hunting and fishing,(substitute ham radio).  
Your job is to get him to chase the things that you want him to chase, and  
then he will be happy and so will you." With a new outlook on life the BTB  
accepted the advice and lived happily ever after.

My XYL is familliar with this concept. Her first husband chased women.  
So she thinks that my being a ham is the best thing since sliced bread.  
When I am in my shack wrapping toroids,(those festive little red things as  
she calls them), she knows right where I am and what I am doing. She says  
that ham radio is a preferable alternative.

Now what we need here is more aunt Marys in the world.

My XYL goes with me to all the ham fests and just bought me a collapsable  
shopping cart that she pulls along. She pulls it so that I can make runs to  
the tables and keep my hands free.





From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: okasb@shoe.mtv.gtegsc.com (Bob Okas)  
Subject: [97] RE: a DSP R2  
Message-ID: <9511152333.AA00366@shoe.mtv.gtegsc.com>

Ray, WD5IFS, wrote:

> I have not yet worked on an actual circuit, but here is the idea for >  
>doing a quadrature in a DSP. I just got the TMS320C26 kit for \$99 here at work.

> The part I haven't had time to simulate is whether a 32 point  
>FFT/inverse FFT will provide a quality phase shift. The idea would be to do the  
>DSP work on samples 1 through 32. The output sample is the first sample of the  
>result. Next we do the DSP work on samples 2 through 33 and output the first  
>sample result. In other words we are always 32 samples back of real time. This  
>has the effect of doing a running average.

Here are a few observations. First, there is a considerable amount of  
processing  
horse power expended in performing the forward & reverse transforms. I'm not sure  
if  
there would be any time left for other operations. Secondly, the samples would  
have to  
be Hamming windowed to take into account the discontinuities created by processing  
in 32  
sample chunks. I've also seen overlapping performed with samples from previous and  
"future" frames to account for this.

An easier approach would be to apply the input, or I channel, audio to a  
Hilbert  
transformer, the output of which is the Q signal. To do this, create an FIR filter  
with  
some number of taps, say 32 for the sake of discussion. The FIR really performs a  
convolution  
of the input,  $x(t)$ , and the impulse response of the filter,  $h(t)$ . The filter  
coefficients  
would be samples of the impulse response,  $h(t)$ , of the filter, which in the case  
of the  
Hilbert Transform, are simply  $1/(\pi)t$ , or in our discrete case,  $1/(\pi)nT_o$ , where  
 $T_o$  is the  
inverse of the sampling frequency. Accuracy requirements dictate the number of  
taps in the  
filter.

Hope this is of some help.

Bob - N3MBY/6

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: H Smith <hbs@crl.com>  
Subject: [115] RE: a DSP R2  
Message-ID: <Pine.SUN.3.91.951115205602.9060A-100000@crl9.crl.com>

I also was thinking Hilbert transform. It does a phase shift of 90 degrees for all freqs.

In order to connect to the R2, wouldnt we need two A/D inputs, one for I and one for Q?

I believe the TI only comes with one input and one output.

The Analog Devices EZ-KIT Lite comes with a stereo input jack. It has two inputs using the AD1847 SoundPort Stereo Codec. Furthermore, it will do 16 bits where the TI only does 12 bits. Oh, and it has two outputs also.

I am not sure about the Mot. EVM, I havent gotten into mine yet :-)

Will 16 bits handle the dynamic range from the R2?

I have the Analog Devices board as well as the TI DSK and the Motorola EVM. All I need is an R2 (which is readily available as a kit) and a VFO or DDS.

I think that it would be fun to to try. Any DSPers out there?

Smitty, NA5K

Henry Smith (hbs@crl.com)

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: "John F. Woods" <jfw@jfwhome.funhouse.com>  
Subject: [106] Re: BNCs for RG-174  
Message-ID: <199511160259.VAA09348@jfwhome.funhouse.com>

> Has anyone had any success installing crimp-type BNC connectors on RG-174  
> coax without the proper crimping tool? I don't really want to lay big  
> bucks for a special crimping tool just to do one or two BNCs.

Granted, I planned to do more than just one or two BNC connectors, but the sheer satisfaction of being able to quickly and easily create an absolutely solid BNC connector, after the years of half-hearted attempts done by hand, was more than sufficient to justify the price...

73, John, WB7EEL

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: Stan Skelton <sskelton@cln.etc.bc.ca>  
Subject: [84] Re: CMOS III  
Message-ID: <Pine.3.89.9511151216.B13722-0100000@sparky>

Hi Marshall...thanx for the opportunity to have input...what I would like to see is in the software area, and it is the ability to have a "counter" set in the software so that you could have it count the number of times it carried out a command and then carry out another one...That would add a whole lot to the programming aspect of it....Don't get me wrong, it's a great keyer, even the best of us can use some improvements....  
73's Stan...VE7SKT (Not in the running for the wouff hong's award)

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: Marshall Emm <75230.1405@compuserve.com>  
Subject: [98] Re: CMOS III  
Message-ID: <951115234045\_75230.1405\_HHB44-1@CompuServe.COM>

Hi, Stan--

>> the ability to have a "counter" set in the software so that you could  
>> have it count the number of times it carried out a command and then  
>> carry out another one.

Can you give me an example or two of how you would use it?

73/72  
Marshall  
AA0XI/VK5FN

Patrick Taber  
Principal Software Engineer  
Logiccraft Information Services  
22 Cotton Road  
Nashua N.H. 03063

Email: [ptaber@logiccraft.com](mailto:ptaber@logiccraft.com)  
Phone: (603) 880-0300  
Fax: (603) 880-7229  
Also known as: KC1TD



From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>  
Subject: [114] Re: Hams helping Hams  
Message-ID: <Pine.A32.3.91j.951115210552.103954A-1000000@homer12.u.washington.edu>

Bon Jour, Bill

Send me your letter...I'll translate it then put in the appropriate French salutation and closure. The French are very much more formal with their letters than we Americans are. I can either mail it from this QTH or send it back to you. You're gonna have a friend for life!

Stephen Lee, AB7HI

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: V\$BCIESLAK@china.qgraph.com  
Subject: [69] Re: heart palpitation city  
Message-ID: <01HX0675UVRM012HP5@hub.qgraph.com>

My xyl usually says "Now what did you buy" or "How much did this cost"

Brian AE9K

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [79] Re: heart palpitation city  
Message-ID: <Pine.SUN.3.90.951115120451.749C-1000000@vortex>

On Wed, 15 Nov 1995 V\$BCIESLAK@china.qgraph.com wrote:

> My xyl usually says "Now what did you buy" or "How much did this cost"  
>  
> Brian AE9K  
>  
>

Mine usually says "Do you really need more junk?"..... and that's just to get started.... :-)

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
...ku7y@sage.dri.edu.....Sun Valley, Nevada....  
.....ARRL.....NorCal #330.....NRA LIFE.....

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: ddonald@vikings.onecomm.com (Dave Donaldson)  
Subject: [92] Re: heart palpitation city

Mine just does NOT WANT TO KNOW!!! So I dont tell her..... :>)

Dave WB7DRU

> Date: Wed, 15 Nov 1995 15:06:46 EST  
>  
> On Wed, 15 Nov 1995 V\$BCIESLAK@china.qgraph.com wrote:  
>  
> > My xyl usually says "Now what did you buy" or "How much did this cost"  
> >  
> > Brian AE9K  
> >  
> >  
>  
> Mine usually says "Do you really need more junk?"..... and that's just  
> to get started.... :-)  
>  
> 73, Ron,  
>  
> .....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
> ...ku7y@sage.dri.edu.....Sun Valley, Nevada....  
> .....ARRL.....NorCal #330.....NRA LIFE.....  
>  
>  
>

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: aa7qy@primenet.com (Roger Hightower)  
Subject: [117] Re: Heart Palpitation City

Message-ID: <199511160556.WAA18903@usr3.primenet.com>

When I was a young Naval officer, a wise old Exec told me "Never give your wife all your money....keep a little out and surprise her with a nice gift now and then."

Well, the first gift was an over-under shotgun, and since she didn't hunt, she graciously let me use it.

Lately, she has gotten numerous ham radio "gifts" which I am allowed to build and/or use. It's the thought that counts, :-)

72, de Roger AA7QY

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: Paul Harden <pharden@aoc.nrao.edu>  
Subject: [64] Re: heart palpitation city!  
Message-ID: <199511151713.KAA22125@zia.aoc.nrao.edu>

>Charles Cashion <ccashion@spdmail.spd.dsccc.com> writes:  
>

>I was in the kitchen when the wife brought in the mail.

>She said, "your radio thingy is here."

^^

REALLY SPOOKY! This is exactly how my wife describes everything from arriving QSL cards to the Whiterook paddles. Except my antennas; she uses words I can't repeat here.

Paul NA5N

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: W3HMS@aol.com  
Subject: [113] Re: heart palpitation city!  
Message-ID: <951115234416\_85090642@mail06.mail.aol.com>

Charles.....did you see the new ARRL Handbook for \$38.00! My 1994 is my last from ARRL., a society dedicated to supporting us?????, the hams of the US!.

All hail greed. 73, John W3HMS

From qrp-l@lehigh.edu Thu Nov 16 14:44:00 1995  
From: cebik@UTKVX.UTCC.UTK.EDU  
Subject: [123] Re: heart palpitation city!  
Message-ID: <Pine.PMDF.3.91.951116070102.543588068D-100000@utkvx.utk.edu>

On Wed, 15 Nov 1995 W3HMS@aol.com wrote:

> Charles.....did you see the new ARRL Handbook for \$38.00! My 1994 is my last  
> from ARRL., a society dedicated to supporting us?????, the hams of the US!.  
> All hail greed. 73, John W3HMS

I cannot defend the price of a single book, but I suggest you consider the following: 1. There are some 1400 pages of text in the HB. 2. The price of paper continues to climb--apparently so the mills can afford to clean up the dioxin and other chemicals pumped into waterway in the past. 3. Compare the prices for texts at any college campus: up to \$100 for some engineering texts; \$30 dollars for a freshman text in my field with about 400 pages and paper cover (and no disk). 4. Compare the price to the hardbound best sellers at any bookstore. Remember that the HB uses 3 column pages--about a page of manuscript per column (did a chapter for them and can confirm this from experience). 5. My copy of Johnson and Jasik at about the same number of pages cost over twice as much. 6. My 1995 automobile cost 4 times what my 1969 larger, more powerful automobile cost. Gasoline is over a buck, but was \$.20 for high test then. 7. A long loaf of sandwich-sliced bread is over 5 times what it was then. 8. The HB was completely rewritten for 1995, with only minor text changes and new projects for 1996--so an annual copy is not likely worth it, but about every three years or so, a new copy may be in order, since by that time almost all the projects will have changed--but that brings the price down to about \$12.50/year, or just over the renewal rate for each of the excellent QRP journals. Guess it is all a matter of perspective.

Those who use or plan to use verticals may want to consider getting the new Vertical Antenna Classics, a collection in one place of most of the best from QST and Antenna Compendium(s) on the subject. Skip the article on "A Beginners Guide to Antenna Modeling" and it is even better. Did not know in advance they would include it, so bought a copy and also received an "author's" copy--makes me think about two verticals phased. I had to tip my capacity hat to the editor.

-73-

LB, W4RNL

From qrp-l@lehigh.edu Thu Nov 16 14:44:00 1995  
From: "John F. Woods" <jfw@jfwhome.funhouse.com>

Subject: [125] Re: heart palpitation city!  
Message-ID: <199511161330.IAA15967@jfwhome.funhouse.com>

>.did you see the new ARRL Handbook for \$38.00! My 1994 is my last  
> All hail greed.

Compared to other limited circulation books like textbooks, the ARRL Handbook does extremely well in the dollars-per-pound benchmark. We're not talking Stephen King's latest potboiler here, the ARRL Handbook *\*might\** sell 100,000 copies, and it's huge, both in terms of the physical size and in the size of the effort that goes into preparing it (especially since they're now routinely reviewing more of the material).

It might be good if the ARRL would start considering breaking it into multiple books, though; if nothing else, it is becoming impractically large for handling.

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: V\$BCIESLAK@china.qgraph.com  
Subject: [83] Re: heart paplitation city  
Message-ID: <01HX0B11V4BM00QWMS@hub.qgraph.com>

I always thought that I was the only one with this problem..I am finally free of years of guilt.

I thought I brought it on myself early in my ham radio life and marriage. One day I went to Amateur Electronic Supply and saw this mint ICOM-202 on the used shelf and thought I would treat myself. Now usually (11 months out of 12) I just get the visa bill from the mail box look it over and pay it off. Not this time...."What's this \$200 to AES" I replied sheepishly , "well I ,uh, bought a radio".....To make a long painful story short I now have to present an approved purchase order, signed by the XYL, before anyone at AES will even talk to me.

72,  
Brian

PS I wonder if this why we have to have two signatures on our personal checks now too?

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: Bill Acito 15-Nov-1995 1605 <acito@asdg.ENET.dec.com>  
Subject: [85] Re: heart paplitation city  
Message-ID: <9511152106.AA08727@us1rmc.bb.dec.com>

I'm glad I'm still single. :-)

b

. . . . . - I own my own words - . . . . .

Bill Acito

acito@asdg.enet.dec.com

|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

KC1GS .:. qrp-ne .:. qrp-arci .:. norcal .:. arrl life .:.

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995

From: W3HMS@aol.com

Subject: [116] Re: heart paplitation city

Message-ID: <951116003127\_23864643@emout05.mail.aol.com>

Brian.....perhaps a list of common XYL comments would be a great service for the ham community. If each husband was able to recite the right response to any of the "official wife comments" casually but with conviction, then each wife would be intimidated a bit with a powerful response to what she thought was non-respondable by HER OM. 73, John W3HMS

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995

From: V\$BCIESLAK@china.qgraph.com

Subject: [56] Re: Logging Programs

Message-ID: <01HX02D2LEFM00Z93I@hub.qgraph.com>

I just notice in QST that there will be a Northern New York section after the first of the year....So I guess we'll all have to upgrade our logging programs again.

Brian AE9K

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995

From: adams@chuck.dallas.sgi.com (chuck adams)



mountain cabin and turned a BC radio into a 75 meter xmtr then transmitted without a receiver until they were rescued.

That was in the days before those new CK722 and 2N107 transistors.

73, Tom WA3REY

<---- Begin Included Message ---->

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995

From: PDouglas12@aol.com

Subject: Re: Mo' tnx & some stuff about old radio madness

Hey Nils,

Remember when Carl and Jerry fell down the factory chimney and had to build a spark gap xmtr to call SOS?

If you don't remember Carl and Jerry, please leave the classroom.

Preston WJ2V

<---- End Included Message ---->

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995

From: lbbarley@southwind.net (Bruce Barley)

Subject: [118] Re: Mo' tnx & some stuff about old radio madness

Message-ID: <199511160830.CAA11585@onyx.southwind.net>

Boy, do I remember! When I was in jr-high and high school, Popular Electronics was my wishbook. My eyes were ALWAYS bigger than my wallet. Funny, though. Nothing' changed.

Do you remember the episode when Carl and Jerry saved the President of the United States? There was a bomb planted under a culvert on a side road the motorcade had to take because of highway construction. C&J couldn't reach anyone because the filament on their 2m mobile rig had opened from road vibration. They saw the wires from the bomb to the detinator running up and over an intersecting road, so they pulled their car under the wires and fired up their 80m mobile rig. The RF got into the detinator circuit and blew the bomb safely before the motorcade got over the culvert.

Then there was the time C&J got into trouble with the US Postal Inspectors when they rigged up a curbside mail drop box with a speaker and microphone.



C&J were having conversations with people as they came up to drop in their mail.

Off hand, does anyone remember who wrote Carl & Jerry's adventures? I pitched all my old OPopular Electronics many years and a number of moves ago. I wonder if the author wrote any other published ham radio related fiction.

Bruce KB0PZD ex: WD0HRQ  
lbbarley@southwind.net

>Hey Nils,  
>Remember when Carl and Jerry fell down the factory chimney and had to build a  
>spark gap xmtr to call SOS?  
>  
>If you don't remember Carl and Jerry, please leave the classroom.  
>  
>Preston WJ2V  
>

From qrp-l@lehigh.edu Thu Nov 16 14:44:00 1995  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Subject: [94] Re: Need Help  
Message-ID: <199511152219.WAA26066@chuck.dallas.sgi.com>

Doug et.al.,

Formula for a single-layer air-core coil is

$$L(\mu H) = d \cdot d \cdot n \cdot n / (18 \cdot d + 40 \cdot \text{length})$$

where

L = inductance in microhenrys  
d = coil diameter in inches  
length = coil length in inches  
n = number of turns

This formula is a close approximation for coils where length is equal to or greater than  $0.4 \cdot d$ .

Plug in the numbers and go. Note: wire size doesn't effect  
L that much. Note: wire size may effect Q of coil significantly.

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com  
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: Byron8LCZ@aol.com  
Subject: [53] Re: need info: gel-cell charger  
Message-ID: <951115105645\_107126837@mail04.mail.aol.com>

Hi N3UVR,

I have the A&A smart chip battery charger. It can charge 12 or 6 volts cells at 1/2 or 1 amp/hr charge rate. It monitors the battery charge capacity during charge so that it doesn't heat up the battery but will put a full charge on it in 6 to 8 hrs. it's a kit, easy to assemble, I recommend it highly. During build, buy two toggle switches and install them, so you switch between 12 or 6 volts and between 1/2 and 1 amp/hr charge rate. It's around 70 dollars but it's a complete kit, except for the two switches. The 1/2 amp/hr range is good for 0-5 amp/hr batteries, the 1 amp/hr range is for 5-10 amp/hr batteries or higher. They have used these chargers to maintain 100 amp/hr RV batteries in boats and RV's.

72, Byron WA8LCZ Detroit

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: Ed DeBuvitz <edeb@indirect.com>  
Subject: [126] Re: QRP on 30 meters  
Message-ID: <Pine.BSD/.3.91.951116065908.12797B-100000@bud.indirect.com>

On Thu, 16 Nov 1995, Kris Merschrod wrote:

> Francis Flynn asks if there is QRP activity on 30 meters.  
>  
> Yes, 10.106 is supposed to be the frequency, but there is a noise  
> there many times.  
>  
> NW-QRP meets on 10.123 Monday nights (0100 Tuesday UTC) I've worked  
> them from here and Ecuador - not easy but easier than what goes on  
> around the fox on 40 meters!  
>  
> Tonight I was stomped by SSB QRM - pirates down this way - but did

> hook up with a VE1?? never did get that right but his name was Bob  
> and he had a rough time copying me too.

>

> It is much easier than 40 meters.

>

>

>

Makes me wish we had an occasional fox hunt on 30 meters. Has anyone  
discussed this before?

Ed W5TTE

edeb@indirect.com

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995

From: mack@mails.imed.com

Subject: [95] Re:R2D2 a DSP R2

Message-ID: <9510158164.AA816482551@mails.imed.com>

Greetings:

I have not yet worked on an actual circuit, but here is the idea for  
doing a quadrature in a DSP. I just got the TMS320C26 kit for \$99 here at work.  
One of the applications is a 32 sample FFT algorithm. For those who have done  
Fourier work, the result is two arrays. One is a cosine and the other is a sine  
array (real and imaginary). To rotate the original signal by 90 degrees, each  
cosine term is replaced with the corresponding sine term and the sine term is  
the negative of the original cosine term. We now have a DFT which is 90 degrees  
out of phase with the original DFT for all frequencies. To get back to a time  
domain signal, we do an inverse FFT and voila! we have an in phase and  
quadrature signal.

The part I haven't had time to simulate is whether a 32 point  
FFT/inverse FFT will provide a quality phase shift. The idea would be to do the  
DSP work on samples 1 through 32. The output sample is the first sample of the  
result. Next we do the DSP work on samples 2 through 33 and output the first  
sample result. In other words we are always 32 samples back of real time. This  
has the effect of doing a running average.

Well that is the proposal. Does anyone see any holes in this idea?

Ray Mack

WD5IFS

mack@mails.imed.com

From qrp-l@lehigh.edu Thu Nov 16 14:44:00 1995  
From: W3HMS@aol.com  
Subject: [112] Re: Rave Review  
Message-ID: <951115234415\_85090620@mail04.mail.aol.com>

In a message dated 95-11-15 10:16:01 EST, rgobrick@public.compusult.nf.ca  
(Robert J. Gobrick) writes:

Bob.....you are right, it is great! I sure wish he would write computer  
texts also, 73, John, W3HMS

From qrp-l@lehigh.edu Thu Nov 16 14:44:00 1995  
From: N5EM@aol.com  
Subject: [75] Re: RS12/13  
Message-ID: <951115143603\_23344700@emout06.mail.aol.com>

In a message dated 95-11-15 11:30:43 EST, you write:

>  
>So I propose that the QRP-L RS12/13 calling  
>frequency pair be:  
>  
>uplink: 21.215  
>dnlink: 29.415  
>  
>>From there we would doppler drift down in  
>frequency. Which shouldn't be a problem  
>because xx.x10 thru xx.x15 is quiet too.  
>  
>Any thoughts?  
>  
>  
>

Sounds like a plan to me.

Noted and posted by my radio.

72  
Ed Manuel, N5EM  
n5em@aol.com

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: Mike Robinson <miker@cc.com>  
Subject: [77] Re: RS12/13  
Message-ID: <9511151948.AA02376@voder.nsc.com>

Very Good Ed,

I usually catch the evening passes and call  
CQ on 21.215.

Hope to see you there.

```
=====
7.3 de Michael aa0ub | QRP:
miker@cc.com Norcal #857 CQC #180 | "UR HB 5W FB HR 72"
=====
```

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: Frank G3YCC <frank@yorks.demon.co.uk>  
Subject: [70] Re: Signing QRP  
Message-ID: <Rc0fTBA414pwEwSG@yorks.demon.co.uk>

In message <951112203238\_75230.1405\_HHB30-2@CompuServe.COM>, Marshall  
Emm <75230.1405@compuserve.com> writes  
>[ref Kris's comments]  
>  
>>> One standard could be to leave off the QRP -- it just takes more  
>>> time in an exchange. Of course when preheating the ionosphere no  
>>> harm in calling CQ QRP or dragging out the call sign with \QRP. Ditto  
>>> when you think that the dangling \QRP will make folks try harder.  
>  
>OTOH, it can really work against you. It's scary how often a QRO op and his  
>\$5K station will go deaf when he hears those three little letters generated by  
>your \$20 worth of equipment.  
>  
>Myself, I mostly only use it (or QRPP) when working in "known" QRP areas.  
>  
>73/72  
>Marshall  
>AA0XI/VK5FN  
>  
>

As I've said before, UK amateurs are NOT ALLOWED by the licensing authority to use /QRP ... it is permissible to use G3YCC <space> QRP. The / sign must only be used for /M /P etc., as defined in the licence. Yes, I know the US has different legislation, but that is the fact as far as we are concerned in Britain.

72/3

--

Frank G3YCC (G QRP 042)

Email: frank@yorks.demon.co.uk

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995

From: adams@chuck.dallas.sgi.com (chuck adams)

Subject: [107] Re: SWEEPSTAKES

Message-ID: <199511160320.DAA26991@chuck.dallas.sgi.com>

Peter et.al.,

Ok free beer. Someone give me a quick and dirty way to get a mike for the Corsair I.

dit dit (over)

Kilo Five Foxtrot Oscar Sweepstakes K

--

Chuck Adams (K5FO CP-60) adams@sgi.com

Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995

From: Duane Anderson <dandersn@ix.netcom.com>

Subject: [110] Re: Wouff Hong

Message-ID: <30AACC2B.388E@ix.netcom.com>

Since some of you have brought this up....Joe, N2CX is right...

"...if you gotta ask, then..." then you need to attend an initiation ceremony...which is a perfect lead-in to an advertisement for the Rocky Mountain Division Convention (of which I am the Chairman for) this is also called the WIMU96 Convention being held in August 2,3,4 1996. And guess what, we are having a Wouff Hong Initiation at the Convention. If you don't know what it is, then you should plan on attending our Convention to be held in Park City, Utah. Those of you with web browsers, you should visit our web page at:

<http://www.xmission.com/~mistral/WIMU96.html>

in which is a link to a registration page you can print and fill out and mail to me. We will have many forums, vendors, swap tables, prizes, ARRL visitors, etc. Anyone with questions or comments can email me about them. I would like to see all you guys there (so I can meet other QRPers, which there aren't many).

Hope to meet you all on the air soon .... as soon as I build my OHR rigs that I am getting anxious to build...as soon as they arrive.

73,  
Duane, KJ7HO

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: Paul Harden <pharden@aoc.nrao.edu>  
Subject: [87] Re: wouff hong ???  
Message-ID: <199511152121.0AA02473@zia.aoc.nrao.edu>

You're right, inquiring minds want to know.

Answers:

1. A 1 inch coil with 20 turns was started by Maxim.
2. The wouff hong is approximately 10uH.

Paul NA5N

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: JEVERHART@cayman.vf.mmc.com  
Subject: [89] Re: wouff hong ???  
Message-ID: <951115163346.2264f98b@carib.vf.mmc.com>

Kent, about the wouff hong, if you gotta ask, then...

72/73,

Joe E., N2CX

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: Stan Skelton <sskelton@cln.etc.bc.ca>  
Subject: [91] Re: wouff hong ???  
Message-ID: <Pine.3.89.9511151327.A26770-0100000@sparky>

A long time ago (1917) the first pres. of the ARRL wrote a column under the pen name T.O.M. in which he wittily but cruelly blasted (flamed)

anyone operating amateur radio in a "poor" manner....one day he was listening to a particularly poor CW sender and copied the phrase "WOUFF HONGS"... after he wrote about it, the phrase caught on and has become used as an analogy for poor cw!....your history lesson for today....

73's Stan...VE7SKT (not a "wouff hong" winner)

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: mjsilva@ix.netcom.com (michael silva)  
Subject: [93] Re: wouff hong ???  
Message-ID: <199511152211.0AA08483@ix12.ix.netcom.com>

Don't forget that the ARRL has an actual wouff hong at headquarters. It looks kind of like a giant wooden can-opener; clearly a diabolical instrument of torture. There's also the rettysnatch (sp?), but I haven't seen one of those.

73,  
Mike, KK6GM

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: markem@primenet.com (Mark Monninger)  
Subject: [102] Re: wouff hong ???  
Message-ID: <199511160212.TAA13616@usr2.primenet.com>

At 04:42 PM 11/15/95 EST, Stan Skelton wrote:

>A long time ago (1917) the first pres. of the ARRL wrote a column under  
>the pen name T.O.M. in which he wittily but cruelly blasted (flamed)  
>anyone operating amateur radio in a "poor" manner....one day he was  
>listening to a particularly poor CW sender and copied the phrase "WOUFF  
>HONGS"... after he wrote about it, the phrase caught on and has become  
>used as an analogy for poor cw!....your history lesson for today....  
>

That's mostly correct. In his editorial, which was a harangue about poor CW ops, he asked if anyone knew what the devil a wouff hong was. One of the suggestions was what is now enshrined at ARRL HQ as the Wouff Hong. There is a secret society built around it. Induction ceremonies are always held at midnight. That's all I can tell tho...anyone who lets out the secrets is subject to having the Wouff Hong applied to his anatomy in a rather painful fashion. It is also applied in a similar fashion to poor CW ops.



It sounds like The Old Man was quite a character.

73... Mark AA7TA

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: cebik@UTKVVX.UTCC.UTK.EDU  
Subject: [122] Re: wouff hong ???  
Message-ID: <Pine.PMDF.3.91.951116065733.543588068C-100000@utkvx.utk.edu>

On Wed, 15 Nov 1995, michael silva wrote:

> Don't forget that the ARRL has an actual wouff hong at headquarters.  
> It looks kind of like a giant wooden can-opener; clearly a diabolical  
> instrument of torture. There's also the rettysnatch (sp?), but I  
> haven't seen one of those.

> 73,

Mike, KK6GM

The Rettysnith is a steel device with a pointed end (which does not do justice to its devilish duties) and is likely to hurt even more than the wouff hong, no matter where applied to the human anatomy. Get's you right in your CW.

-73-

LB, W4RNL

From qrp-1@lehigh.edu Thu Nov 16 14:44:00 1995  
From: V\$BCIESLAK@china.qgraph.com  
Subject: [129] Re: xyl,It's all in the approach  
Message-ID: <01HXPDGA59C200WM8G@hub.qgraph.com>

That Ernie, He's one lucky guy.

My wife used to go with me to swapfests...She would feel sorry for me as I watched my friends spend hundreds of dollars on new rigs and computers and stuff....Now she gives me \$5 and says 'go have a good time'.

Brian AE9K